

Gold King Elevation Notes

Description	Elevation (TCI revised)	Elevation (Goff)	Notes
Goff East Control Point	11438.13	11439.88	1.75
BM-1	11443.75	11445.50	
BM-2	11449.13	11450.88	On plate in adit rib
Top of Timber (now removed)	11447.03	11448.78	
Floor (location not clear)		1.75	
Bolt	11439.69	11441.44	
Floor of mine below BM2	11437.67	11439.42	
Elevation drop Pipe invert below floor of mine	0.32	1.32	pipe + grate
Mine box invert	11437.35	11438.103	
Pipe length from mine box to manhole	78	78	
Slope od pipe from mine box to manhole	0.01	0.01	
Elevation drop from mine box to manhole	0.78	0.78	

	Placed Relative to Weston Design Sump Sketch 9/24/15	
Top of Manhole	11440.313	11441.11
Manhole inlet invert	11437.323	11438.12
Manhole inlet invert to discharge pipe invert	2.5	2.5
Manhole discharge invert	11434.823	11435.62
Pipe length from manhole to valve	20	20
Slope manhole to valve pipe	0.01	0.01
Elevation drop from manhole to valve	0.2	0.2
Elevation of valve invert needed	11434.623	11435.42
Actual Valve invert	11435.7	11435.7
Difference	1.077	0.28

New correlation Goff-TCI

**Weston**

**Survey Notes** *All in Goff*

**9/30/15** *elevations*

11438.09

11435.10

2.5

11432.60

20

0.01

0.2

11432.4

11435.7 This is a surveyed relative elevation based on a bolt at 11439.69

3.3

Gold King Elevation Notes

Description	Elevation (TCI 10/?/15)	Elevation (TCI 9/23/15)	Elevation (Goff)
Goff East Control Point	11438.13	11378.07	11439.86
BM-1	11443.75	11383.70	11445.49
BM-2	11449.13	11389.07	11450.86
Top of Timber (now removed)	11447.03	11386.98	11448.77
Floor (location not clear)		11378.73	11440.52
Bolt (listed on Elliot's notes)	11439.69	11379.22	11441.01
Floor of mine below BM2	11437.67	11377.20	11438.99
Elevation drop Pipe invert below floor of mine			1.32
Mine box invert		11375.88	11437.67
Pipe length from mine box to manhole			78
Slope od pipe from mine box to manhole			0.01
Elevation drop from mine box to manhole			0.78

	Placed Relative to Sump
Top of Manhole	11439.88
Manhole inlet invert	11375.10
Manhole inlet invert to discharge pipe invert	2.5
Manhole discharge invert	11372.60
Pipe length from manhole to valve	20
Slope manhole to valve pipe	0.01
Elevation drop from manhole to valve	0.2
Elevation of valve invert needed	11372.40
Actual Valve invert	11375.23
Difference	2.83

**Notes**

	1.74	60.05
	1.74	60.05
On plate in adit rib	1.74	60.05
	1.74	60.05
	1.32	60.47
This is a surveyed relative elevation based on a bolt at 11441.01	1.32	60.47
??		
Sump?		

**Weston****Weston Design Survey Notes****Sketch 9/24/15    9/30/15**

11441.11	11438.09
11438.12	11435.10
2.5	2.5
11435.62	11432.60
20	20
0.01	0.01
0.2	0.2
11435.42	11432.4

This is a surveyed relative elevation based on a bolt at 11441.01

1.74

1.74

1.74

1.74

1.32

Floor of mine below BM2	11437.67	This is a surveyed relative elevation based on a bo
Elevation drop Pipe invert below floor of mine	1.32	
Mine box invert	11436.35	
Pipe length from mine box to manhole	78	
Slope od pipe from mine box to manhole	0.01	
Elevation drop from mine box to manhole	0.78	
Manhole inlet invert	11435.57	
Manhole inlet invert to discharge pipe invert	2.5	
Manhole discharge invert	11433.07	
Pipe length from manhole to valve	20	
Slope manhole to valve pipe	0.01	
Elevation drop from manhole to valve	0.2	
Elevation of valve invert needed	11432.87	
Actual Valve invert	11435.7	This is a surveyed relative elevation based on a bo
Difference	2.83	

It at 11439.69

It at 11439.69

TCI Point list from Weston 10/10/15 6pm

210	1454200.247	2382991.087	11443.75 BM-1
211	1454216.441	2383057.843	11449.13 BM-2
212	1454117.770	2383122.715	11438.13 WP-1 1" CAP GOFF
5043	1454512.360	2383397.23	11714.59 GCP 3 GOLFF
6525	1454153.900	2382995.964	11435.70 END OF PIPE
6526	1454154.458	2382993.36	11436.39 TOP OF PIPE
6527	1454154.782	2382992.003	11436.54 VACUUM
6528	1454155.344	2382989.374	11436.17 TOP OF PIPE
6529	1454165.639	2382975.25	11435.64 TOP OF PIPE
6530	1454150.435	2383015.617	11439.57 20 FT FROM VALVE
6531	1454152.650	2383019.524	11439.69 BOLT
6532	1454145.715	2383019.77	11439.41 3
6533	1454146.055	2383012.049	11439.65 3
6534	1454155.455	2383013.356	11439.67 3
6535	1454151.823	2383021.616	11439.60 3
6536	1454099.848	2383163.456	11431.61 TOP OF PIPE
6537	1453939.291	2382426.037	11310.77 GCP-1/1" CAP GOEFF